



Evaluation #

200408-O

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2658
Madison, WI 53701-2658

Wisconsin Building Products Evaluation

Material

J-D Drain SWD
Modular Basement Drainage System

Manufacturer

JDR Enterprises, Inc.
292 S. Main St., Ste 200
Alpharetta, GA 30004

SCOPE OF EVALUATION

GENERAL: This report evaluates J-D Drain SWD footing/foundation drainage system provided by JDR Enterprises, Inc. The J-D Drain SWD footing/foundation drainage system was evaluated for use as a **total** system, and an **alternative** to the conventional pipe and gravel system.

This review includes the cited **Comm** code requirements below in accordance with the current **Wisconsin Uniform Dwelling Code (UDC)**, (for 1 & 2 family dwellings):

- **Drain Tiles:** The J-D Drain SWD footing/foundation drainage system was evaluated as a **total** manufactured drainage system in accordance with **s. Comm 21.17(3)(c)**. The J-D Drain SWD footing/foundation drainage system was also evaluated as a **partial** or **optional** drainage system in accordance with **s. Comm 21.17(1)** and **(2)**.

The **IBC** requirements below in accordance with the current **Wisconsin Amended ICC Code**:

- **Foundation Drain:** The J-D Drain SWD footing/foundation drainage system was evaluated as a **total** manufactured drainage system in accordance with **s. IBC 1806.4.2**. The J-D Drain SWD footing/foundation drainage system can be installed as an **alternative** to the conventional pipe and gravel system.

DESCRIPTION AND USE

J-D Drain SWD is a modular composite drainage and collection system consisting of a 3-dimensional, high-flow, drainage core which is wrapped with a non-woven filter fabric. It is designed as an **alternative** to the conventional sand or gravel covered pipe drain around building foundations and retaining walls. Soil particles are held back by

The filter fabric allowing water to pass through to the drain core for removal by sump or by running to daylight. Available in 6 inch and 12 inch widths.

TESTS AND RESULTS

GeoSyntec Consultants conducted physical properties and flow rate testing in accordance with:

- ASTM D1621, Compressive strength, 10,013-15,141 lbs./sq.ft., and
- ASTM D4716, In-plane flow, 30.1 gpm/ft. of width, Hydraulic gradient = 0.1, loading = 10 psi

LIMITATIONS OF APPROVAL

Comm limitations below are in accordance with the current **Wisconsin Uniform Dwelling Code (UDC)**, (for 1 & 2 family dwellings):

- **Drain Tiles:** The J-D Drain SWD footing/foundation drainage system may be installed as a **total** manufactured drainage system or as a **partial** or **optional** drainage system in accordance with **s. Comm 21.17(3)(c)** and **s. Comm 21.17(1)** and (2).

The **IBC** limitations below are in accordance with the current **Wisconsin Amended ICC Code**:

- **Foundation Drain:** The J-D Drain SWD footing/foundation drainage system may be installed as a **total** manufactured drainage system in accordance with **s. IBC 1806.4.2**. The J-D Drain SWD footing/foundation drainage system can be installed as an **alternative** to the conventional pipe and gravel system.

The J-D Drain SWD footing/foundation drainage system shall be installed in accordance with the manufacturer's installation instructions and this evaluation. Where the manufacturer's installation instructions and this evaluation differ, this evaluation shall be null and void.

After installation, the J-D Drain SWD footing/foundation drainage system shall not be exposed to sunlight for more than 15 days.

When adhesives are used to attach the J-D Drain SWD footing/foundation drainage system to foundation or retaining walls, JDR Enterprises, Inc. must provide written verification to the owner or installer verifying compatibility.

Other aspects of the sump and drainage system shall comply with s. Comm 82.36 of the Wisconsin Administrative Uniform Plumbing Code.

This approval will be valid through December 31, 2009, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: April 13, 2004 By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau